

**CSS 220: COLLABORATIVE COMPUTER NETWORK & FACILITATING
TECHNOLOGY
GROUP ASSIGNMENT_2**

Bsc. ITS-II, ICTB-II, & ICTM-II

- 1. What is computational Grid? Why it is needed?**
- 2. Discuss Grid requirements of end users, application developers, tool developers, grid developers, and system managers.**
- 3. Explain Grid computing Architecture with diagram and components in detail.**
- 4. What is resource in grid? Discuss Grid Resource broker in grid.**
- 5. Discuss applications of Grid computing.**
- 6. Discuss Grid scheduling mechanism.**
- 7. Discuss about Grid computing platforms and Operating Systems.**
- 8. Discuss Quality of Service in Grid Infrastructure.**
- 9. Discuss Grid computing networking infrastructure.**
- 10. Discuss about Grid Security in detail.**
- 11. Discuss about Grid Security in detail.**
- 12. Define Grid Computing. Explain Condor Middleware in detail.**
- 13. Discuss Grid computing networking protocols.**
- 14. Discuss Authentication, authorization, and policy for grid computing.**
- 15. Describe the evolution of the Grid and different generations.**
- 16. Write short note on The Semantic Grid.**
- 17. Write short note on Grid Scheduler.**
- 18. Discuss Grid computing models**
- 19. Explain Grid Web services.**
- 20. Explain Planning and scheduling with reference to Condor.**
- 21. Explain real-time access to distributed instrumentation systems with example**
- 22. Discuss Manageability, Monitorability and Integration for Grid.**
- 23. Discuss Service discovery, Interoperability and compatibility for Grid.**
- 24. Discuss Scalability, Availability and Robustness for Grid**
- 25. Explain the database requirements of Grid applications.**

